



## **Building Automation Systems & Controls Engineer Dearborn, Michigan**

As a BAS & controls engineer with Energy Sciences, you will join our team of degreed and licensed engineers, scientists, and efficiency professionals to meet the energy use challenges of commercial buildings and industrial processes. We're looking for experienced and talented technical team members to assist our clients, from small businesses to Fortune 500 companies, identify energy-savings opportunities, reduce waste, and save money. You will lead in identification, selection and integration of intelligent/Smart Building Automation Systems (automatic temperature control, access control, lighting and energy management). You will work in a team environment to provide, revise or extend building management mechanical systems (HVAC) for new construction and/or renovation of industrial, commercial or institutional structures as requested by the client. You must have solid understanding of IT networking, cyber security standards and enterprise management of devices.

### **About you**

- Collaborative, enterprising individual who likes to work in an open team environment
- Excited about challenging the status quo and offering creative ideas for growth
- Self-motivated and able to work with autonomy and independence
- Able to make quick and sound decisions
- Comfortable wearing multiple hats
- Willing to take initiative
- Proactive, responsive, and attentive to client needs
- Excellent verbal and written communication skills
- Enjoy sharing expertise with a diverse team to encourage development and growth
- Believe in making a positive environmental impact

### **Your background**

- Bachelor's degree in electrical or mechanical engineering preferred
- PE and LEED AP BD+C preferred
- Registered Communications Distribution Designer (RCDD) professional certification preferred



- Five to ten years of experience in BMS and engineering
- Three to five years of IoT/Smart building sensor deployment and integration
- Utilizing tools such as AutoCAD, Revit
- Proficiency with Tridium Niagara & Modbus & BACnet
- Must have a valid passport
- Most travel would be between Canada & Mexico and could be asked to travel internationally up to 5% of the time
- Must be able to climb up ladders. Prolonged standing/walking
- Performing energy and economic analyses for commercial buildings and industrial facilities
- Working on-site with commercial and industrial customers
- Writing reports and delivering presentations
- Managing project scope, schedule, and budget

### **Day to day**

You will join a team dedicated to helping commercial and industrial customers reduce their energy use by providing technical expertise through energy efficiency programs, training initiatives, and direct to customer services. Some of the day to day activities you would be involved with might include:

- Review and/or establish project scope, budget, necessary constraints and design approach with project manager and/or client
- Proper communication skills to be involved in design team / owner meetings and communicate directly as the owner's representative
- Develop and maintain knowledge leadership in areas of IoT devices, sensors, controls and software apps in the SMART Building environment
- Prepare feasibility studies and project cost estimates
- Maintain working knowledge of latest building codes and standards used in the industry
- Initiate and monitor system upgrades in commercial/manufacturing facilities for building management systems (e.g. compressors, chillers)
- Work with IT infrastructure on building system upgrades



- Perform and/or review calculations and energy models; formulate design of building management systems including HVAC and IT
- Create engineering documents using computer aided design (CAD) technology utilizing Revit and AutoCAD
- Edit or draft project specifications
- Review drawings for omissions, errors, interferences, overall quality, content accuracy, compliance with standards and codes
- Maintain organized project files containing project calculations, correspondence, appropriate reference materials, etc.
- Prepare project file updates, transmittals, letters, reports, requests for reproduction services
- Assist with checking, standards review, and maintenance of master specifications
- Performs related duties as assigned

### **Benefits**

We offer a full benefits package, including a health plan, dental and vision, life, a retirement plan, paid holidays and paid time off, and a competitive salary.

### **More about Energy Sciences**

Energy Sciences is on a mission to create a more sustainable and socially responsible energy future. We value working as a team, questioning the status quo to find new and better ways, doing our work with integrity, as well as taking responsibility and initiative to get things done. We provide professional consulting, training, and energy management services to commercial, industrial, and municipal sectors, delivering customized solutions and sustainable strategies.

### **Additional information**



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Energy Sciences is an equal opportunity employer and all qualified applicants will receive employment consideration without regard to race, color, religion, national origin, sex, disability status, protected veteran status or other characteristics protected by law.

To apply, please submit your resume to [info@esciences.us](mailto:info@esciences.us).